



HIBAR
SYSTEMS LIMITED

The Liquid Dispensing Specialists

5S SERIES

PRECISION SERVO DRIVEN CHECK VALVE DISPENSING PUMPS



Maximum 1.0 L
Dispense Volume

The **HIBAR PRECISION SERVO MOTOR CONTROLLED PUMPS** combine proven Hibar dispensing technology with leading-edge servo motor controls. Hibar 5SCV Pumps are best suited for applications that require from 100 ml to 1 litre per shot of medium viscosity liquids (without solids). For over 30 years Hibar CV pumps have proven to provide the best reliability and accuracy in some of the most demanding dispensing applications.

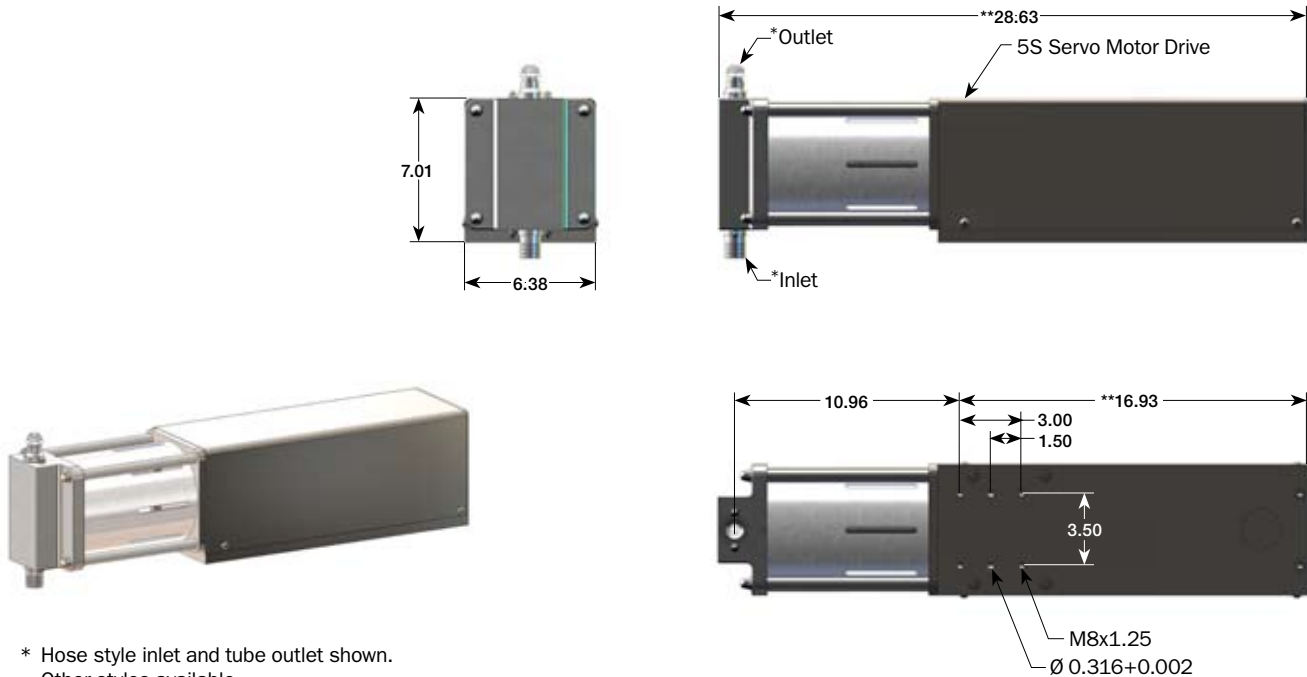
SERVO DRIVE FEATURES

- **Accuracy** Dispensing accuracies of up to $\pm 0.1\%$ or better.
- **Control** Precise control of the dispense profile will minimize splashing and foaming while maximizing the cycle rate.
- **Versatility** Via a RS232 connection the user can quickly download recipes, including parameters such as acceleration, fill volume and fill speed.
- **Compact** The motor, resolver and drive controller are one integral unit mounted on the back of the pump.
- **Simplicity** Requires only power and a start signal to perform cycle.

HIBAR CHECK VALVE PUMP FEATURES

- Integrated check valves.
- Stainless Steel pump head.
- Dispense viscosities up to 10,000 cps.
- Self contained, adaptable to most automated filling equipment.
- Low maintenance design, long service life.
- Simple disassembly for cleaning.

PRECISION SERVO DRIVEN CV DISPENSING PUMPS SPECIFICATIONS AND APPLICATIONS



* Hose style inlet and tube outlet shown.
Other styles available.
Consult Hibar for different product connection requirements.
** Dependent on servo motor model.

Model	Plunger Diameter		Stroke		Maximum Dispensing Volume (cc)	Cycle Speed (cpm)	Voltage VDC	Weight lbs (kg)
	inch	(mm)	inch	(mm)				
5S3-C-100	1 5/8	(41.28)	3.00	(76.2)	102	0-30 [^]	48	63 (28.6)
5S3-C-250	2 3/4	(69.85)			292			
5S3-C-500	3 3/4	(95.25)			543			
5S3-C-1000	5 1/8	(130.18)			1014			

[^] Maximum cycle rate is application dependant

APPLICATIONS

Pharmaceutical	Cosmetics		Food	General	
<ul style="list-style-type: none"> Medicine Culture Media Biologicals Antibiotics Cough Syrup 	<ul style="list-style-type: none"> Perfume Creams Lotions Shampoos Oils 	<ul style="list-style-type: none"> Mouthwash Nail Lacquer Moisturizer Skin Cleanser Make-up Remover 	<ul style="list-style-type: none"> Ketchup Vinegar Honey Butter Coffee 	<ul style="list-style-type: none"> Cream Jelly Sauces Juices Puddings 	<ul style="list-style-type: none"> Acids Alkalines Reagents Inks Paints Glues/Adhesives Battery Electrolyte Lighter Fluids Oils Solvents